

FIGURE 1B

1201 CATCCTGTGT ATATCGTGC A GGATGGCCC CCCAGAGCC CTCCAAACAT CTAACACACA TCGATTTCCTG TGTTGGAGTG GCCCATATTG CATACTACAC
 GTAGGACACA TATAGCACGT CCTAACCGGG GGGGTCCTCG GAGGTTCGTA GATGATGTT AGCTAAAGAC ACAACCTCAC CGGGATAAC GTATGCTATG
 320 HisProValT yrileValG1 naspGlyPro ProGlnSerP roProAsnI1 eTyrrYrrhr SerIleSerV alLeuGluTr pProleLeu HisthrIleGln

1301 AACTGTTTT CATGGATCC AAAGTGCTCCC GTGTCACTAC ATTCTTATT CCCTGTGCAAG TTATTACGAC ATCGACTTGC CGGATGACTT CATTAGCTT
 TGACAAAAA GTACGCTAGG TTACGAGGG CACAGTGATG TAAGAATAAA GGACACGTT AATAATGCTG TAGCTGAACG GCCTACTGAA
 354 LeuPhePh eMetArgSer LysCysSerA rgValThrTh rPheLeuPhe ProValGlnV alIleThrR rSerThrCys ArgMetThrS erPheSerPhe

1401 TACCACCCCTG AACCCATCCA TGCAGCACAG CAGAGCACAG ATGGGAAAT TCGAAATCAG ATGGTGTGTTTC TGTTGGGACA GGATCCTGGG TAGGGCTCTG
 ATGGTGGAC TTGGTAGGT ACGTCCGGAC GTCTCGTGTCA TACCCCTTA AGGCTTAGTC TACCAAAAG ACCCCCCCTGT CCTAGGACCC ATGCCGAGAC
 387 ThrThrLeu AsnProSerM etGlnAlacy sArgAlaGln MetGlyGlup heArgIleR gTrpCysPhe TrpGlyAspA rgIleLeuG1 yThrAlaLeu

1501 TTGTTGCTTG TGCTTATTCT TCTTCTTGGG AGGGCTGAATA TGCATCAGAC GACACTGCTC CGGCAACGGG CAGTGTGGA GGCCAGCATG
 AACACGAAAC ACCATAAGA AGAAAGAACCC TCCGACTTACGCTG ACTGTAGTCTG CTGTGACGAG GCGTGTGCC GGTACACACT CGGCCTTCGG CCGGTCTG
 420 PheValLeu alLeuIlele uLeuLeugly ArgLeuAsnM ethisGlnTh rThrLeuLeu ArgGlnArgA laSerValG1 uAlaGluAla GlyGlnHisGly

1601 GTCCCCCTGTG ATAGGATTGA AAGAGCTACT GAGAAATAGGG GGCTTCTCAA TGAGAGAGGG GAGGCTGGCTG TTATCATGGG AACCAAGGCAG ATCAATCATC
 CAGGGGACAC TATCCTAACT TTCTCGATGA CTCTTATCCC CCGAAGAGTT ACTCTCTCGC CTCCGACGAC ATAGTACCC TTGGTCGTC TAGTTAGTAG
 454 ProLeu (SEQ ID No : 2)

1701 CCTGGCAGGT CAGGAGGAA GTTACTTAGC TTCTCCTTCA CCTTCTTCCC ACAGAATTAA TTATAGGCTT GTAGGTGTG ATCAGATTCG
 GAACCGTCCA GTCCGGTCTT CAATGAATCG AAGAGGAAGT GGAAGAAGGG TGCTTAAAT AATATCGAA CAAGGTTCAA CATCACACAC TAGTCTAAGC

1801 TGCTGCCTGT CAGCTCTGTG CTACCTGGCA GTTCCCCCTCA TGGAAATTGCA TATCAAGCTT ATCGATAACCG TCGACCT (SEQ ID NO : 1)
 ACACGGACAC GTCGAGACAC GATGGACCGT CAAGGGAGT ACCTTAAGCT ATAGTTCGAA TAGCTATGGC AGCTGGAA

FIGURE 2B

1101 GGAGGGCTGAGC CCYGGGGAGC TAGGGA"PAGE TCTYGGGGGT GGGGGGGCGT CACTATGAGA AGGTGAGIGG TGACTATGGG
 CCTCCCGACTC GGACCCCTCC ATCCCTATCG AGACGCCCA CCAGCCCGAC GTCTAGGGGG GAAGACGGGG G"GA"ACTCT "CCACTKAC
 287 GluAlaGlu Proglylglu euglylileal aLeuArgly GlyIyAlaA LaAspPropr oPhcysPro HistylgluL ysvalserL yAspTyrgly
 1201 CATCCTCTGT ATATCGTGCN GGATGGGGCC CCCAGAGCC CTCACAACAT CTACTAACAG GTPAGGGC TCCYCTACAG TGGCTATCCT GAA"CCAGCC
 GTAGGACACA TATAGCACGT CCTAACCGGG GGGGCTCGG GAGGTGTTG'A GATGA"GTIC CATACTCCC AGGAGAGTGC ACGATAGGA CTTAGGTGG
 320 HisProvalt YrlleValGli DAspGlyPro ProGlnSerP roProAsnI etyrrtylys Valop* (SEQ ID NO : 4)

1301 CTTCTYGGG TGCTCCCTCA GTTTAATTCC TGGTTGAGG GACACCTCTA ACATC"GGG CCCCTCTGCC CCCCCCCCCC CTCACCTCCT CCCGGCTGCT
 GAAGAACCCC ACCAGGGGT CAAATTAAGG ACCAAACTC CTCTGGAGA" TGTAGAACCC GGGGACACGG GGGGTGCG GAACTGAGGA GGGCCGACGA

1401 CTCCTCG"CT CCACCTTTAG- GATTCTCTAG GATTCCCACT CCCCACCTC CTGCCCTCCC GTT"GCCCAT CGGTCCCCC CTCCTCTCA GTG"CCCTGG
 CAGGAGCAGA GTGAAAMTC CTAAGGAATC CTAAGGGTA CGGGG"GAAG GACGGGAGGG CAAACCGGTA CCCACGGGG GAGACAGAGT CACACGACCC

1501 ATCCCTTTIC CTYGGGGAGG GGCACAGGGT CAGCC"CTCTC TCTGACCAT ACCCAGGGAT CCTTGCCCCC CTCACCCACC CAGAGCTAGG GCGGGGAC
 TAGAAAAAG GAAACCCCTCC CCGTGTCCGA STCGGGAGGAG AGACTGGTAC TGGTCCGA GGAACAGGGG GAGTGGTGG GTCCTGATCC CGGCCCTGT

1601. GCCCCACCTT 'GGTTGGCAC CGCCCTCTT' CTGCCTCTCA CTGGTTTCTCT CTTCTCTATC TCTTATTCTT TCCC"CTCTT CGGTCTCTAG GTCTGTCTT
 CGCGGGRRA ACCAACCGTG GCGGAAGAA GACGGAGGT GACCOMAAGA GAAAGAGATAG AGATATAAGA AGGGAGAGMA GGAGAGATC CAGACAGAA

1701 CTTCCCTAGC ATCCCTCTCC CCACATCTCC TTTCACCCCTC TTGGCTCTT ATCCUGTGC TCTCCCATCT' CCTGGTGGG GCACTCAAAG CATTTCCTCC
 GNAAGGATCC TAGGAGGG GGTGTAGAGG AAAGTGGAG AACCGAAGAA TAGGACACGG AGAGGGTAGA GGACCCACCC CGTAGTTTC GTAAACAGGG

1801 CTTAGCTTTC AGCCCCCTT CTGACCTCTC ATACCAACCA CTCACCTCAAG TATGGTGTG' GAGGGAGTC AGACGGTTT TACCCCCGGA ATACCCCTTC CGAGACTGTG AGGTGGGTC
 GAA"TCGAAAG TCGGGGGAA GACTGGAGAG TATGGTGTG' AGGGGAGTC AGACGGTTT TACCCCCGGA ATACCCCTTC CGAGACTGTG AGGTGGGTC

1901 CTCAGGCCAT GGGCACCAGG GCTCCATTCT CTGGCTGGC CCAGGCCTCT ACATACTAC TCCAGCCATT TGGGGAG GCTCTGACAC TCCACCCAG
 CAGTCGGTA CCCGTGTTCC CGAGCTTAAGA GACCGGACCG GGTGGAGA AGGTGGTAA AGGTGGTAA ACCCCACAA CCCAGTACTG TCGATGGTAC

2001 AGAAGGAAGT TCCCCTTTTC TCCACTGGCC ATAGCAGCA TATGCAACCC TGGGACAG TATGGACTTC GCTCTGATCC CAATYGGCCCA CTYGGGACCG
 TCTTCCTCAC NGGCAAAAC AGGTCAACCGG TTA"CGTCT ATACTTGGCC AGCCCTGTAC ATACCTGAAC CAGACTRGA CTTRACCGGT GAGCCTGGC

2101 GAACTGACTT GCTCCAGACA AGAGGTGACC AGAACATGGCC TGGGAAGTAG CAGAAGGAGT GCTCTGTCAG CAGAGGAGT CTCAGTCAG
 CTTCACTGAA CGAGGCTCTG TCTCCACTGG TCCGGGGCTG TCCTTACCGG ACCCPICATC GTCTGGTCA CGTGGTCTCTT GACCTTCAG GAAGTAGGTC

2201 GACAGGAAGT AGCACTCTG AAACAGGAAG TGGTCTGGCT GGAACCTCAA GTGGCTTAAAGT CTGGGGATC AGGAGGTGG AGGTGGATGG TTCCTATCT
 CTCTCCTTCAGC TCTGTGAGAC TTGTGCTCTC ACCAGACCA CCTTCAAGGTT CACCGAATCA GACCCCTAG 'CC"CCACCC TCCACCTAC
 2301 GTGGAGAAGA AGGGCGGAA GAACTCCCTT TCAAGGAGAA CCTGGAAACTT ACTGACTCTA AGAGGTAGA GTGGGACCA (SEQ ID NO : 3)
 CACCTCTCTT TCCCCCTCTT CTTGAGAA AGTCTCTT CGACCTTGAA TCACTGACAT TCTCRATCT CCACCTGGCT

FIGURE 3A

AL-2b.L 1189 TGGTGACTAT CATGCTGTGTATACTGTCAGGATGGC JCCCCCCAGA
AL-2b.L 1233 GCCCTCCAAACATCTACTACACATCGATTCTGTCTTGGAGTGGCCCATA
AL-2b.L 1285 TTGGATACGATACTACACTGTTTTCATGCATCCAAGTGCCTCCGGTGTCA
AL-2b.L 1338 TACATTCTTATTCCGTGCAAGTTATTAGGACATCGACTTGCCTGGATGA
AL-2b.L 1386 CTTCATTTAGCTTACCAACCGTGCACCCATCGACGGCTGCAGAGCA
AL-2b.L 1438 CAGATGGGGAAATTCCGAAATCAGATGGTGTCTGGGGGACAGGATCCT
AL-2b.L 1486 GGGTACGGCTCTGTTGTGCTTGTGCTTATTCTTCTTCTGGGAGGCTGA
AL-2b.L 1538 ATATGCATCAGACGACACTGCTCCGGCAACGGGCCAGTGTGGAGGGAA
AL-2b.L 1588 GCCGGCCAGCATGGTCCCGTGTGATAGGATTGAAAGCTACTGAGAAT
AL-2b.L 1638 GGGGCTCTCAATGAGAGAGC3CAGGCTGCTGTTATCATGGAACCGG
AL-2b.L 1688 CAGATCAATCATCCCTGGCAGGTCAAGGCAAGTTACTTAGCTTCTCT
AL-2b.L 1738 TCAACCTCTTCCCAAGAAATTATTAGGCTTGTCCAACTGTAGTGT
AL-2b.L 1788 GTGATCAGATTCGTGCTGCCTGTCAGCTCTGTGCTACC GCGAGTTCCC
AL-2b.L 1838 TCAATGGAATTCGATATCAAGCTTATCGATAACCGTCAACCT (SEQ ID NO: 1)

FIGURE 3B

lck2	1	[MA]	[RPGQRW]	[LAKW]	[VAMVVW]	[ALCRLATPLA]	[KNLEPVSWSSLNPKF]	[LSQKG]	
huHTKL	1	[MAVRRD]	[SVWKYCW]	[OVLHUV]	--	[CRTAISK6IVLEPI]	[YWNSSVSKFL]	[PGQG]	
AL2.sht	1	[NG]	[PPHS]	[GGGV]	[RVVGALLL]	[DVLGLVSGL]	--	[SLEPVYWN8ANKRFOAEQQ]	
AL2.long	1	[MG]	[PPHB]	[GGGV]	[RVVGALLL]	[DVLGLVSGL]	--	[SLEPVYWN8ANKRFOAEQQ]	
lck2	52	[LVLY]	[YPKIGDKL]	[DIIICPRA]	--	[EAGR]	--	[PYEYYK]	[IYLVRPEQAAACSTVLD]
huHTKL	48	[LVLY]	[YPQIGDKL]	[DIIICPKY]	--	[DSRTV]	[GQYEYYK]	[VYMV]	[OKDQADRCTIKKE]
AL2.sht	48	[YVLY]	[YPQIGDKL]	[DIIICPKY]	--	[PRARPPGPHS6PNYEFYKLY]	[LVGGAQGRRCAPPAA]		
AL2.long	48	[YVLY]	[YPQIGDKL]	[DIIICPKY]	--	[PRARPPGPHS6PNYEFYKLY]	[LVGGAQGRRCAPPAA]		
lck2	95	[PNV]	[LVTCN]	[HAPEDIEIRPTIKF]	[QEFSPNIMG]	[LEFK]	[XHHDDYYIT]	[TST6NGSLEG]	
huHTKL	96	[NTPLL]	[LNCAK]	[PQDIIKFTIKF]	[QEFSPHLWGLF]	[OKDQYI]	[LIST6NGSLEG]		
AL2.sht	96	[PNLLL]	[TCDRPD]	[DLDLRFTIKF]	[QEFSPNLWGH]	[FRSHHDYYII]	[ATSDGTREQ]		
AL2.long	96	[PNLLL]	[TCDRPD]	[DLDLRFTIKF]	[QEFSPNLWGH]	[FRSHHDYYII]	[ATSDGTREG]		
lck2	245	[LEN]	[REGGVC]	[CTRTRMKI]	[IHKVCDP]	[NAVTPEQLTT]	[SRPSKEA]	[DNTVKMATO]	
huHTKL	248	[LDN]	[QEGGVC]	[OTRAMKI]	[IHKVGDABBB]	--	[ASSTRNK]	[CPTRRPELEAQ]	
AL2.sht	248	[LES]	[LOGGVCL]	[TRGMKVLL]	[LRVGQS]	[PRGGAVPRKPV]	[SEMPMERD]	[RGAAHSLE]	
AL2.long	248	[LES]	[LOGGVCL]	[TRGMKVLL]	[LRVGQS]	[PRGGAVPRKPV]	[SEMPMERD]	[RGAAHSLE]	
lck2	295	[APGS]	[RGS]	[SLSGDKHETVNCE]	[EKS]	[GPGASGG8SGDPD]	[GFFNSKVALFAAV]		
huHTKL	299	[TNG]	[RGS]	[TTSPFVNTPH]	[POSSTDN8A]	[MSG]	--	[NNILGSEVALFAGI]	
AL2.sht	298	[PGKENL]	[PGOPTS]	[SNATSRGAEGPL]	[FFFF]	[SPNPAVABAAGGL]	--	[ALLELLGVA]	
AL2.long	298	[PGKENL]	[PGOPTS]	[SNATSRGAEGPL]	[FFFF]	[SPNPAVABAAGGL]	--	[ALLELLGVA]	
lck2	249	[GAGG]	[CVIFLL]	[IIFLT]	[VLLLKL]	[RKRKHTQ]	[QRAAALSLSLTLASPKGG]		
huHTKL	233	[ASGC]	[IIFVII]	[IITLV]	[VLLLKY]	[RRRKHS]	[QHTTTLBSLTLATPKRSQN]		
AL2.sht	244	[GAGG]	--	--	[MCWRRRRAKPS]	[ESRHPGPGSFGRGGSLGLGG]	--	[GGGNG]	
AL2.long	244	[GAGG]	--	--	[MCWRRRRAKPS]	[ESRHPGPGSFGRGGSLGLGG]	--	[GGGNG]	
lck2	294	[TAGT]	[TEPSDII]	[IPLA]	--	[TENNYCPHYEKVSGCYGHPVYIVQEMPPQSPA]			
huHTKL	292	[NNCS]	[SEPSDII]	[IPLA]	--	[TACSVFCPHYEKVSGCYGHPVYIVQEMPPQSPA]			
AL2.sht	293	[PREAEPGELGIALR]	[GGGAADFFF]	[CPHYEKVSGCYGHPVYIVQODGPPQSPPP]					
AL2.long	295	[PREAEPGELGIALR]	[GGGAADFFF]	[CPHYEKVSGCYGHPVYIVQODGPPQSPPP]					
lck2	341	[NIYY]	--	--	--	--	--		
huHTKL	328	[NIYY]	--	--	--	--	--		
AL2.sht	333	[NIYY]	--	--	--	--	--		
AL2.long	335	[NIYYTSISVLEWPILHTIOLFF]	[FWR8KCSRVTTF]	[FPYQVITTS]	[TCRMTSF]				
lck2	345	--	--	--	--	[KV]	--	(SEQ ID NO: 9)	
huHTKL	332	--	--	--	--	[KV]	--	(SEQ ID NO: 10)	
AL2.sht	335	--	--	--	--	[KV]	--	(SEQ ID NO: 4)	
AL2.long	345	\$FTTLNPSMOACRAQMGEFRI	[RWCPWGDRILQTAL]	[FVLVLLILLB]	[RNMM]				
AL2.long	455	OTTLLRORASVEAEAGOHGPL	(SEQ ID NO: 2)						

FIGURE 4

FIGURE 5